

Application No.: 10/784398

Case No.: 59555US002

Amendments to the Specification:

Please amend the specification as follows:

The abstract of the disclosure is objected to because on page 6 line 12 the term "polycacoarbonate/ ..." is unclear. Correction is required. See MPEP § 608.01(b).

On pages 5-6, please replace the paragraph that starts on page 5, line 17 with the word "Etching" and ends on page 6, line 20 with the word "like" with the following amended paragraph:

Etching of films to introduce precisely-shaped voids, recesses and other regions of controlled thickness requires the use of a film that does not swell in the presence of alkaline etchant solutions. Swelling changes the thickness of the film and may cause localized delamination of resist. This can lead to loss of control of etched film thickness, shallow via sidewall slopes, and irregular shaped features due to etchant migration into the delaminated areas. Controlled etching of films, according to the present invention, is most successful with substantially non-swelling polymers. "Substantially non-swelling" refers to a film that swells by such an insignificant amount when exposed to an alkaline etchant as to not hinder the thickness-reducing action of the etching process. For example, when exposed to some etchant solutions, some polyimides will swell to such an extent that their thickness cannot be effectively controlled in reduction. Examples of suitable polycarbonate films, include substituted and unsubstituted polycarbonates, polycarbonate blends such as polycarbonate/aliphatic polyester blends, including the blends available under the tradename XYLEX from GE Plastics, Pittsfield, MA, polycarbonate/polyethyleneterephthalate(PC/PET) blends, polycarbonate/polybutyleneterephthalate (PC/PBT) blends, and polycarbonate/poly(ethylene 2,6-naphthalate) (PC/PEN) blends, and any other blend of [[polycacoarbonate]] polycarbonate with a thermoplastic resin; and polycarbonate copolymers such as polycarbonate/polyethyleneterephthalate(PC/PET), polycarbonate/polyetherimide (PC/PEI), and the like. Another type of material suitable for use in the present invention is a polycarbonate laminate. Such a laminate may have at least two different polycarbonate layers adjacent to each other or may have at least one polycarbonate layer adjacent to a thermoplastic material layer (e.g.,

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LEXAN GS125DL which is a polycarbonate/polyvinyl fluoride laminate from GE Plastics). Polycarbonate materials may also be filled with carbon black, silica, alumina and the like or they may contain additives such as flame retardants, UV stabilizers, pigment and the like.